Index of Claims

| Applicant(s) |              |
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| ANDRE ET AL. |              |
| Art Unit     |              |
|              | ANDRE ET AL. |

Deborah K. Ware

1651

✓ Rejected= Allowed

(Through numeral)
Cancelled
+ Restricted

Non-Elected
I Interference

A Appeal
O Objected

| E. C.  | Claim | Date  |          |               |    |              |  |  | S. F  | <u></u>  | Claim Date |            |            |          |  |                 | s <del></del> 1 | <u> </u> | nim-     | Deta      |          |             |             |          |         |              |          |     |          |  |          |               |  |
|--|-------|---|----------|---------------|----|--------------|--|--|---|--|------------|------------|------------|----------|--|-----------------|-----------------|----------|----------|-----------|----------|-------------|-------------|----------|---------|--------------|----------|-----|----------|--|----------|---------------|--|
| C  |       | H.  | 7        | TZ            | 47 | ਸੱ           | -016   | ŕ  |   | Г  | П          |            | Ula<br>Ula |          | <del>                                     </del> | 1               | _               | ᆛ        | ale<br>T |           |          | ┰┤          | Ä           | Ul:      | aim     | <del> </del> | _        | Т   | 벁        | ate  |          | _             | Τ-   |
| 1  | Final |   | 12       | 100           |    |              |  |  |   |  |            |            | Final      | Original |  |                 |                 |          |          |           |          |             |             | Final    | higinal |              |          |     |          |  |          |               |  |
| 102  |       | 1.5   | <u>'</u> | 1             | 1  | }            | -  | -  |   | <u> </u>                                       | -          |            |            |          | _  | $\vdash$        | 4               | 4        | 4        | +         |          | Ш           |             |          |         |              | 4        | 4   | 4        | 1  | $\bot$   | 丰             | $\perp$  |
| 3  |       | 1   | ř        | <del>۱۲</del> | +; | 4            | $\dashv$   | _  | Н   | ┝╌   | Н          | S          |            |          | $\vdash$   | $\vdash$        |                 | +        | +        | ┿         | ┰        | ╁┤          |             |          |         | $\vdash$     |          | +   | 4        | +  | 4        | ╀-            | ╄  |
| A  |       | H   | ╫        | ††            | H  | $^{+}$       | $\dashv$   | —  | Н   | ├  | Н          |            |            |          | ├  | ┝═┤             | $\dashv$        | +        | +        | +-        | ╄╌       | ╀╌┤         | T.          |          |         | Н            |          | +   | +        | +  | ╀        | ╄             | ╄  |
| S  | -     | H   | ╫╴       | ╫             | ₦  | +            | ┥  |  |   | ┝  | Н          | W          |            | 54       | ⊢  |                 | +               | +        | +        | ┿         | ╁        |             |             |          |         | $\vdash$     | -        | +   | 4-       | +  | +        | ┼             | ┼  |
| 6  |       | +   | ╫╴       | H             | H  | +            | $\dashv$   | _  | Н   | ┝╌   | Н          | 114        |            |          | -  | $\vdash$        | $\dashv$        | ┽        | +        |           | ╁        | H           |             |          |         | -            | +        | +   | +        | +  | +-       | ₩             | ╀  |
| T  |       | H   | ╫        | H             | Ħ  | †            | 7  |  |   | _  | Н          |            |            |          | -  | $\vdash$        | +               | +        | +        | +-        | +        |             |             |          |         |              |          | +   | +        | - -  | +        | ╀             | ╀  |
| S  |       | 1   | -        | $\sqcap$      | Ħ  | Ť            | $\dashv$   | _  | Н   | -  | Н          |            |            |          | <del>                                     </del> | ┝               | +               | $\dashv$ | +        | ┰         | ╁        | H           |             |          |         | -            | -        | +   | -+-      | +  | ╁        | ╁             | ╀  |
| 9  |       | #   | 1        | $\vdash$      | Ħ  | Ť            | ┪  |  | H   | _  | Н          |            |            |          | $\vdash$   | H               | $\dashv$        | $\dashv$ | +        | +-        | ┿        | Н           | 蝗.          |          |         | -+           |          | +   | +        | ┿  | +-       | ╁             | ⊬  |
| 10   |       | 17  | IT       |               | Ħ  | 1,           | .  | _  | $\vdash$  | _  | Н          |            |            |          | $\vdash$   | H               | $\dashv$        | +        | +        | ╁         | +-       | H           | 22          |          |         |              | -+-      |     | +-       | ┰  | +-       | +             | ⊬  |
| 17   |       | $^{\dagger\dagger}$   |          | L             | Ħ, | 7            | +  | _  | Н   | _  | Н          |            |            |          | Н  | $\vdash$        | $\dashv$        | +        | +        | ┿         | +        |             |             |          |         | -            | +        | +   |          | +-   | ┿        | ╀             | ⊢  |
| 12   |       | Ш   | 1        | Ť             | Τ, | 7            | 7  |  |   |  | Н          |            | -          |          | Н  | Ħ               | ╅               | +        | +        | +         | +-       | H           | a           |          |         | -            | +        | +   | -        | +  | ┿        | ╀             | ├  |
| 13   |       | ĦΠ  | 1        | レ             | ١, | $^{\dagger}$ | 7  | _  | $\vdash$  |  | Н          |            |            |          | Н  | $\vdash \vdash$ | +               | +        | +        | +-        | +        |             |             | -        |         | +            | +        | +   | +-       | ╁  | +        | +-            | $\vdash$   |
| 15   |       | $\sqcap$  | 1        | マ             | 71 | オ            | ┪  | ٦  |   | _  | Н          |            |            |          | H  | $\dashv$        |                 | +        | +        | +         | +        | H           | H           |          |         | $\dashv$     | +        | +   | +-       | +-   | +-       | +             | +-   |
| 15   |       | ĮΨ  | $\dashv$ | ~             | 1. | ォ            | 7  | 7  |   |  | Н          |            |            |          | Н  | $\vdash$        | +               | +        | +        | +         | +-       | H           | ijŀ         |          |         | $\dashv$     | +        | +   | +        | +  | +        | +-            | ├-   |
| 16   |       | abla  | ブ        | Īν            | 1, | 7            | $\forall$  | _  | $\dashv$  |  | Н          | 3          | _          |          | Н  | +               | $\dashv$        | +        | +        | ╁         | 1-       |             | iii)        | -        |         | $\dashv$     |          | +   | ╫        | ╫  | ╫        | ╁             | ├  |
| 17   18  | 16    | <b>[</b> ]  |          |               | ۲  | T            | 7  | $\neg$   | $\Box$  |  |            |            |            |          | $\vdash$   | $\dashv$        | +               | -+       | +        | +         | +-       | H           | 4           | $\dashv$ |         | $\dashv$     |          | ┿   | +        | ┿  | ╂        | ╁             | ⊬  |
| 18   | 17    | ""  |          |               | T  | ╈            | 7  | _  | $\neg$  | _  | $\dashv$   |            | $\neg$     |          |  | $\dashv$        | -+              | +        | 十        | ╁         | ┿        | H           |             |          |         | -            |          | +   | +        | +-   | ╁        | ╁             | ⊢  |
| 19   0   119   120   121   121   121   122   122   123   123   123   123   123   124   124   125   1 |       | Щ   |          |               | T  | +            | ┪  | ┪  | $\dashv$  | $\neg$   |            |            |            |          | Н  | $\dashv$        | +               | +        | +        | +-        | ╁        | H           | <u> </u>    |          |         | -+           | $\dashv$ | -+- | ┿        | +-   | +-       | ┼             | ├  |
| 20       70       120       121       121       121       121       122       123       123       123       123       123       123       123       123       123       123       123       123       124       124       124       124       124       124       124       125       126       127       127       126       127       127       127       128       128       129       129       129       130       131       130       131       131       131       131       131       131       131       131       131       133  |       | K   |          | t             | t. | Ť            | ᅔ  |  |   | _  | _          |            |            |          | Н  | -               | +               | +        | +        | +         | +-       | H           | @ <b>}</b>  |          |         | -            |          | ┿   | ╌        | ┿  | ┿        | ╁╌            | ├  |
| 21       22       71       121       122       122       122       122       123       123       123       123       123       123       123       123       123       123       123       123       123       123       123       124       124       124       124       124       124       124       124       125       125       125       125       126       127       127       127       127       127       127       127       127       127       127       128       128       128       128       129       130       130       131       131       131       131       131       131       131       131       131       131       131       132       133       133       133       133       133       133       133       133       133       133       134       134       134       134       134       135       136       135       136       137       137       138       139       139       139       139       139       140       141       141       142       143       144       144       144       144       144       144       144       144       144       144<  |       | ,   | J        | ⅳ             | ۲, | 1            | 4  |  |   |  |            | 42         |            |          |  | _               | 十               | +        | +        | ╅╴        | +        | H           |             |          |         |              |          | ┽   | +-       | ╫  | ╁        | ╆             | ├  |
| 22       33       72       122       123       123       123       123       124       124       124       124       124       124       124       125       125       125       125       125       126       126       127       127       127       127       127       127       127       128       128       128       128       129       129       130       130       131       131       131       131       131       131       131       131       131       131       131       131       131       132       132       133       133       133       133       133       133       133       133       133       133       134       134       134       134       134       134       134       135       135       135       135       136       136       137       138       138       138       138       138       139       140       140       141       142       142       143       144       144       144       144       144       144       144       144       145       145       146       146       146       146       146       146       146       146       146<  | 21    |   | -        |               | Г  | +            | 7  | $\neg$   | $\neg$  | _  |            | H          |            |          |  | $\dashv$        | +               | ╅        | ╅        | ╁         | +        |             | 7           | -        |         | $\dashv$     |          | ╁   | +-       | ╁  | ╂╌       | ╁╌            | <del>                                     </del> |
| 23         73         123         124         124         124         124         124         124         125         125         125         126         126         126         127         127         127         127         128         128         128         128         128         129         129         130         130         130         131         131         131         131         131         131         132         132         132         132         132         133         133         133         133         134         134         134         134         134         135         136         136         136         136         136         136         137         137         137         137         138         138         139         140         140         141         140         141         140         141         140         141         144         144         144         144         144         144         144         144         145         146         146         146         146         146         146         146         146         146         146         146         146         146         146         146         146  | 22    | П   | _        |               | T  | T            | ┪  | 7  | ┪   | $\neg$   |            | 7,         | $\neg$     |          | $\dashv$   | 一十              | ╅               | +        | +        | ╈         | +        | H           |             | $\dashv$ |         |              | +        | +   | ╁        | ╁  | ┿        |               | $\vdash$   |
| 124  |       | П   |          | Г             | T  | Ť            | T  | $\neg$   | $\neg$  |  | 7          |            |            |          | $\dashv$   | $\dashv$        | +               | ╅        | ╅        | ┿         | +        |             | ٦ŀ          | $\dashv$ |         | +            | +        | ┿   | +        | +-   | ╁╴       | ₩             | <del> </del> -                                   |
| 25       76       125       126         27       76       127       127         28       78       128       129         30       80       130       130         31       81       131       131         32       83       133       133         34       84       134       134         35       86       136       137         36       86       136       137         38       88       138       139         40       90       140       141         41       91       141       141         42       92       142       143         43       94       144       144         45       95       145       146  | 24    |   | _        |               | İ  | T            | 7  | 一  | 寸   | T  |            |            | 1          |          | $\dashv$   | _               | +               | +        | 十        | ╅┈        | +-       |             | g þ         |          | 124     | +            | +        | +   | ╁        | +-   | ╁        | Н             | Н  |
| 26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       146  | 25    |   |          |               | Г  | T            | 7  | ヿ  | $\exists$   |  | _          | -          |            |          | $\neg$   | $\dashv$        | _               | +        |          | ╁         |          |             |             |          |         | $\dashv$     | +        | ╁   | +        | ╁  | ╆        | ╂╾┥           | $\vdash$   |
| 27       28       77       127       128       128       128       129       129       129       130       130       131       131       132       132       132       132       133       133       133       133       133       133       133       133       133       134       134       134       134       134       134       135       136       136       137       137       137       138       138       138       139       140       141       140       141       141       142       142       142       143       144       143       144       145       146<  |       | $\Box$  |          |               | T  | †            | 7  | 寸  | ┪   | ╛  |            |            |            |          | -  | 十               | +               | ╅        | +        | +-        | +        | H:          | -           | -        | 126     | -+           | ╅        | +   | ┿        | ╁  | ╁╌       | $\vdash$      | Н  |
| 28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       136         36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       94       144         45       96       145  |       |   |          |               | Г  | T            | ┪  |  | ヿ   | ┪  | _          |            |            |          | 7  | -               | ╅               | +        | +        | +         | $\vdash$ |             |             | -        |         | ╅            |          | +   | ╁        | ╁╌   | ╁╴       | Н             | Н  |
| 29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146  | 28    |   | _        |               | T  | T            | 7  | T  | $\neg$  | ┪  |            | 33         |            |          | _  | _               | +               | ╅        | ╅        | +         | +        |             | <b>!!</b> - | -        | 128     | +            | +        | ╁   | ╁        | +-   | ╂        | Н             | Н  |
| 30   |       |   |          |               | Г  | †            | 7  | _  |   | 7  |            | # <b>!</b> |            |          |  | 十               | 十               | +        | +-       | +         | +        | -           | <u>.</u>    | -+       | 120     | $\dashv$     | ╌        | ╫   | ╁        | ╁  | ╁        | Н             | Н  |
| 31       81       131       132       132       132       133       133       133       133       133       133       133       133       134       134       134       134       134       134       134       134       134       134       134       134       135       135       135       136       136       137       136       137       137       136       137       137       138       138       138       138       138       138       138       139       140       140       140       140       144       144       142       142       142       143       144       144       144       144       144       145       146  |       |   |          |               | Г  | Т            | 7  | ヿ  |   | 寸  |            | ं [        |            |          | ┪  |                 | +               | +        | +-       | $\vdash$  | $\vdash$ |             | -           | ╛        |         | $\dashv$     | - -      | ╁   | ╂╌       | ╫  | ╁        | Н             | $\vdash$   |
| 32       82       132       133         34       84       134       134         35       85       135       136         36       86       136       137         38       88       138       138         39       88       138       139         40       90       140       141         41       91       141       142         43       93       142       142         44       94       144       144         45       96       146       146  | 31    |   |          |               | Г  | T            | T  | ┪  | $\neg$  | $\neg$   | _          | 雪          |            |          | ヿ  | $\neg$          | $\top$          | +        | 1        | +         | $\vdash$ |             | -           |          | 131     | ╅            |          | ╁   | ╁        | ╁  | ┿        | ╁╌┤           | Н  |
| 33       83       133       134         34       84       134       134         35       85       135       135         36       86       136       137         38       87       137       137         38       88       138       138         39       90       140       140         41       91       141       142         43       93       142       142         44       94       144       144         45       96       146       146  | 32    |   |          |               | Г  | Т            | T  | 寸  |   | $\neg$   | 7          |            |            |          | 7  | $\neg$          | $\top$          | +        | 1        | ╈         | $\vdash$ |             |             |          |         | -            | ┿        | ╁   | ┿        | ╁  | +-       | Н             | $\vdash$   |
| 34       84       134       134         35       85       135       135         36       86       136       136         37       88       137       137         38       88       138       138         39       90       140       140         41       91       141       141         42       91       142       142         43       93       143       143         44       94       144       144         45       96       146       146  | 33    |   |          |               |    | Ι            | 1  |  | $\neg$  | 7  |            | ī.,        |            |          | 7  | _               | $\top$          | +        | $\dashv$ | ✝         | $\vdash$ |             |             |          |         | _            | -        | ╁   | ╁        | ┼~   | ╁╌       | Н             | $\neg$   |
| 135   136   136   136   137   137   138   138   138   138   138   138   138   138   139   140   140   141   142   142   142   142   142   143   144   144   145   146  |       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |          |               |    |              | $oldsymbol{\mathbb{I}}$  |  | $\Box$  |  |            |            |            | 84       | 7  | $\dashv$        | $\top$          | T        | 1        | †         | Н        |             | #           |          |         | +            | +        | +-  | +        | +  | +-       | $\vdash$      | Н  |
| 36       86       136         37       87       137         38       88       138         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146  |       | $\Box$  |          |               |    | Γ            | $oldsymbol{\mathbb{I}}$  | $oldsymbol{\mathbb{I}}$  | $\Box$  | $\Box$   |            | [          |            |          | _†   | 丁               | $\top$          | T        | 7        | 1         | $\sqcap$ |             | -           |          |         | +            | +        | +   | +        | +-   | $\vdash$ | $\vdash$      | $\dashv$   |
| 37     87       38     88       39     138       40     90       41     91       42     92       43     93       44     94       45     95       46     96   |       |   |          |               |    | $\Gamma$     | I  | J  | T   |  |            |            |            |          | 7  | $\top$          | $\top$          | T        | 7        | 1         | П        | -15         | 4           |          |         | $\dashv$     | +        | +-  | +-       | ╁  | 1        | $\vdash$      | $\dashv$   |
| 38     88       39     138       40     90       41     91       42     92       43     93       44     94       45     95       46     96   |       | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |               |    | Γ            |  | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ | J  |            |            |            | 87       | Ţ  | $\top$          | $\top$          | Τ        | 1        | 1         | П        |             |             |          |         | +            | +        | ╅   | +        | +  | 1        | $\vdash$      | $\dashv$   |
| 39     89       40     90       41     91       42     92       43     93       44     94       45     95       46     96  |       | $\Box$  | $\Box$   |               |    |              | J  | $\prod$  |   |  |            | 5/         |            |          | 7  | _               | _               | 1        | $\top$   |           | $\vdash$ | 75          | +           |          |         | +            | +-       | +   | +-       | +  |          | $\vdash$      | $\dashv$   |
| 40   |       | $oldsymbol{\bot}$   |          |               |    | Γ            | $oxed{\int}$   | $\prod$  | floor   | $\Box$   |            | 1          |            |          | T  | 1               | 7               | $\top$   | 1        | $\vdash$  | М        | 7           | :           | $\neg +$ | 139     | +            | +-       | +   | +-       | +  | $\vdash$ | $\vdash$      | ᅴ  |
| 41     91       42     92       43     93       44     94       45     95       46     96  |       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | J        |               |    |              | Ι  | I  |   |  |            | ٦,         |            |          | 寸  | $\top$          | 1               | T        | 1        | $\dagger$ | П        | <b>-</b> 1: | <u>:</u>  - |          |         | 十            | +        | +-  | 1-       | $\vdash$   | $\vdash$ | <del>  </del> | ᅱ  |
| 42       43       93       143       143       144       45       95       145       46       96   |       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  |          |               |    | Γ            | f  | T  | $_{T}$  | $\Box$   | 1          | -:         |            |          | _  | $\top$          | 7               | T        | _        | 1         | $\vdash$ |             | H           | 一        | 141     | +            | +        | ╁   | +        | 十  | -        | $\dashv$      | $\dashv$   |
| 46 96 146  |       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | floor    |               |    | Γ            | Ι  | T  |   |  | 5.         | ्र         | $\neg$     | 92       | +  | 7               | +               | †        | $\top$   | 1         | $\vdash$ | <b>-</b>  ; | <u></u>     | $\neg +$ | 142     | +            | +-       | +-  | +        | +-   | Н        | $\dashv$      | $\dashv$   |
| 46 96 146  |       | $\Box$  |          |               | Ξ  |              | Ι  | T  |   |  |            | 7          |            |          | 十  | $\top$          | 7-              | 1        | 1        | $\vdash$  | $\vdash$ | - :         | : -         |          |         | +            | +        | +   | +-       | ╆  | $\vdash$ | $\dashv$      | ᅱ  |
| 46 96 146  | 44    | [   | $\int$   |               |    | Ĺ            | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | J  | $oldsymbol{	o}$   | ⅃  | ];         | 护          | $\Box$     | 94       | 1  |                 | 7               | Τ        | T        | $\Box$    | $\vdash$ | 7           | 7           |          |         | +            | +        | +   | +-       | 1  | Н        | _+            | $\dashv$   |
| 46 96 146  |       | [   |          | $\Box$        |    |              | Ι  | T  |   | Т  |            | Ī          |            |          | 丁  | $\top$          | _               | T        | †-       | $\vdash$  |          |             |             |          |         | +            | +        | +-  | ╁╴       | -  | ┤┤       | -+            | $\dashv$   |
|  | 46    | $\perp$   | $\perp$  | $\sqcup$      |    | Ĺ            | $\mathcal{I}$  | Ι  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  | floor  |            |            |            |          | _  | 十               | Τ               | Т        | $\top$   | $\Box$    | $\vdash$ |             |             |          |         | +            | +        | t   | ┰        | <del>                                     </del> | ┤┤       | $\dashv$      | $\dashv$   |
| 48<br>49<br>99<br>99<br>149  |       | 4   | 4        | _             | _  | L            | Ţ  | $oldsymbol{ol}}}}}}}}}}}}} $ | $oldsymbol{\Gamma}$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ |            | :[         |            | 97       | $\top$   | 7               | 1               | T        | 1        | П         | $\dashv$ | <b>-</b>    | -           |          |         | +            | $\top$   | T   | $\vdash$ | 1  | $\vdash$ | $\dashv$      | $\dashv$   |
| 49 99 149 149  |       | _   | 4        | _             |    | L            | $\int$   | Ι  | $oldsymbol{ol}}}}}}}}}}}}}} $ | floor  |            | ġ[         |            | 98       | $\top$   | 丁               | $\top$          | T        | T        | $\vdash$  | $\Box$   | 375<br>5:31 |             |          |         | +            | $\top$   | +   | +-       | $\vdash$   | H        | $\dashv$      | $\dashv$   |
|  | 49    | 4   | 4        | _             | _  | L            | $\perp$  | $oldsymbol{\mathbb{I}}$  | floor   | $oldsymbol{\mathbb{I}}$                        | -          | $\Gamma$   |            | 99       |  | J               |                 | Τ        | 1        | П         | 7        | 73          | ╬           |          |         | - -          | +        | +   | t        |  | $\vdash$ | +             | $\dashv$   |
| 50 100 150   | 50    | $\perp$   |          | 丄             |    | L_           | L  | $\perp$  | $\perp$   | Ι  |            | ţ[         | 1          | 100      | $oldsymbol{	op}$                                 |                 | Т               | Г        | T        | П         | $\neg$   |             | -           | 1        | 150     | 1            | +        | 1-  | 1        |  | $\vdash$ | $\dashv$      | $\dashv$   |